

## MANUAL OF PATENT EXAMINING PROCEDURE

PTO/SB/08 (2-92)  
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| Form PTO-1449   |  |  |  | Docket Number (Optional)<br>0152.00355 |         | Application Number<br>09/523,054 |                               |
| INFORMATION DISCLOSURE CITATION<br>IN AN APPLICATION<br><br>(Use several sheets if necessary) |  |  |  | Applicant<br>Aruna K. Behera, et al    |         |                                  |                               |
|   |  |  |  | Filing Date<br>3-10-00                 |         | Group Art Unit<br>1615 648       |                               |
| U.S. PATENT DOCUMENTS   |  |  |  |  |         |                                  |                               |
| EXAMINER<br>INITIAL   | DOCUMENT NUMBER  |  |  | DATE                                   | NAME    | CLAS<br>S                        | FILING DATE<br>IF APPROPRIATE |
|   |  |  |  |  |         |                                  |                               |
| FOREIGN PATENT DOCUMENTS  |  |  |  |  |         |                                  |                               |
|   | DOCKET NUMBER  |  |  | DATE                                   | COUNTRY | CLAS<br>S                        | TRANSLATION<br>YES NO         |
|   |  |  |  |  |         |                                  |                               |
| OTHER DOCUMENTS (Including Author, Title, Date Pertinent Pages, Etc.)                         |  |  |  |  |         |                                  |                               |
| Will submit<br>upon receipt   | Almenar-queralt, A., A. Duperray, L.A. Miles, J. Felez, and D.G. Altieri. 1995. Apical topography and modulation of ICAM-1 expression on activated endothelium. <i>Am. J. Pathol.</i> 147:1270-1280.   |  |  |  |         |                                  |                               |
| Will submit<br>upon receipt   | Anderson J.J., J. Nordan, D. Saunders, G.L. Toms, and R. Seott. 1990. Analysis of the local and systemic immune responses induced in BALB/c mice by experimental respiratory syncytial virus infection. <i>J. Gen. Virol.</i> 71, 1561-1570.   |  |  |  |         |                                  |                               |
| LO  | Armstrong, D.S. and S. Menahem. 1993. Cardiac arrhythmias as manifestation of acquired heart disease in association with pediatric respiratory syncytial virus infection. <i>J. Ped. Child Health</i> 29:309-311.  |  |  |  |         |                                  |                               |
| LO  | Arnold, R.H, Werchau, and W. Konig. 1995. Expression of adhesion molecules (ICAM-1, LFA-3) on human epithelial cells (A549) after respiratory syncytial virus infection. <i>Int. Arch. Allergy Immunol.</i> 107:392-393.   |  |  |  |         |                                  |                               |
| LO  | Becker, S., H.S. Koren, and D.C. Henke. 1993. Interleukin-8 expression in normal nasal epithelium and its modulation by infection with respiratory syncytial virus and cytokines tumor necrosis factor, interleukin-1 and interleukin-6. <i>Am. J. Respir. Cell Mol. Biol.</i> 8:20-27.            |  |  |  |         |                                  |                               |
| Will submit<br>upon receipt   | Becker, S.W. Reed, F.W. Henderson, and T.L. Noah. 1997. RSV infection of human airway epithelial cells causes production of the $\beta$ -chemokine RANTES. <i>Am. J. Physiol.</i> 272 (Lung Cell. Mol. Physiol. 16): L512-L520.  |  |  |  |         |                                  |                               |
| Will submit<br>upon receipt   | Behera, A.K., M. Kumar, H. Matsuse, R.F. Lockey, and S.S. Mohapatra. 1998. Respiratory syncytial virus induces the expression of 5-lipoxygenase and endothelin-1 in bronchial epithelial cells. <i>Biochem. Biophys. Commun.</i> In press.   |  |  |  |         |                                  |                               |
| Will submit<br>upon receipt   | Bella, J., P.R. Kolatkar, C.W. Marlor, J.M. Greve, and M.G. Rosemann. 1998. The structure of the two amino-terminal domains of human ICAM-1 suggests how it functions as a rhinovirus receptor and as an LFA-1 integrin ligand. <i>Proc. Natl. Acad. Sci. USA</i> 95:4140-4145.                    |  |  |  |         |                                  |                               |
| LO  | Burke and Olson, "Preparation of Clone Libraries in Yeast Artificial-Chromosome Vectors" in Methods in Enzymology, vol. 194, "Guide to Yeast Genetics and Molecular Biology" eds. C. Guthrie and G. Fink, Academic Press, Inc., Chap. 17, pp. 251-270 (1991).                                      |  |  |  |         |                                  |                               |
| LO  | Capeocchi, "Altering the genome by homologous recombination" <i>Science</i> 244: 1288-1292 (1989).   |  |  |  |         |                                  |                               |
| Will submit<br>upon receipt   | Gasanoval, J.M., T. Stehle, J. Liu, J. Wang, and T.A. Springer, 1998. A dimeric crystal structure for the N-terminal two domains of intercellular adhesion molecule-1. <i>Proc. Natl. Acad. Sci. USA</i> 95:4134-4139.   |  |  |  |         |                                  |                               |
| Will submit<br>upon receipt   | Center for Disease Control and Prevention: Respiratory syncytial virus activity: United States. 1996-1997 season, <i>MMW</i> 45:1053, 1996.  |  |  |  |         |                                  |                               |
| Will submit<br>upon receipt   | Ghini, B.A., M.A. Fiedler, L. Milligan, T. Hopkins, and J.M. Stark. 1998. Essential roles of NF kappa B and c/EBP in the regulation of intercellular adhesion molecule-1 after respiratory syncytial virus infection of human respiratory epithelial cell cultures. <i>J. Virol.</i> 72:1623-1626. |  |  |  |         |                                  |                               |
| Will submit<br>upon receipt   | Collins, P.L. 1991. The molecular biology of human respiratory syncytial virus (RSV) of the genus Pneumovirus. In <i>The Paramyxoviruses</i> . D.W. Kingsbury, Editor, Plenum, New York, 1991. 103-162.  |  |  |  |         |                                  |                               |
| LO  | Cregg JM, Vedvick TS, Raschke WC: Recent Advances in the Expression of Foreign Genes in <i>Pichia pastoris</i> , <i>Bio/Technology</i> 11:905-910, 1993.   |  |  |  |         |                                  |                               |
| Will submit<br>upon receipt   | Culver, 1998. Site-Directed recombination for repair of mutations in the human ADA gene. (Abstract) Antisense DNA & RNA based therapeutics, February, 1998, Coronado, CA.  |  |  |  |         |                                  |                               |

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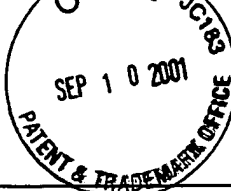


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| UD                       | Davies et al., "Targeted alterations of yeast artificial chromosomes for interspecies gene transfer", <i>Nucleic Acids Research</i> , Vol. 20, No. 11, pp. 2693-2698 (1992).   |
| UD                       | Dickinson et al., "High frequency gene targeting using insertional vectors", <i>Human Molecular Genetics</i> , Vol. 2, No. 8, pp. 1299-1302 (1993).  |
| UD                       | Duff and Lincoln, "Insertion of a pathogenic mutation into a yeast artificial chromosome containing the human APP gene and expression in ES cells", <i>Research Advances in Alzheimer's Disease and Related Disorders</i> , 1995.  |
| Will submit upon receipt | <del>Fixler, D.E. 1996. Respiratory syncytial virus infection in children with congenital heart disease. <i>Ped. Cardiol</i> 17:163-168.</del>   |
| UD                       | Gilboa, E. Eglitis, MA, Kantoff, PW, Anderson WF: Transfer and expression of cloned genes using retroviral vectors. <i>Bio Techniques</i> 4(6):504-512, 1986.  |
| Will submit upon receipt | <del>Graham, B.S., M.D. Perkins, P.F. Wright, and D.T. Karzon. 1988. Primary respiratory syncytial virus infection in mice. <i>J. Med. Virol.</i> 26:153-162.</del>  |
| Will submit upon receipt | <del>Greve, J.M., G. Davis, A.M. Meyer, C.P. Forte, S.C. Yost, G.W. Marlor, M.E. Kamareh, and A. McClelland. 1989. The major human rhinovirus receptor is ICAM-1. <i>Cell</i> 56:839-847.</del>  |
| UD                       | Hall, C.B., E.E. Walsh, C.E. Long, and K.C. Schnabel. 1991. Immunity to and frequency of reinfection with respiratory syncytial virus. <i>J. Infect. Dis.</i> 163:693-698.   |
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| Will submit upon receipt | <del>Hsu, S.C., D. Chargeleque, and M.W. Steward. 1998. Reduction of respiratory syncytial virus titer in the lungs of mice after intranasal immunization with a chimeric peptide consisting of a single CTL epitope linked to a fusion peptide. <i>Virology</i>. 240: 376-387.</del>  |
| Will submit upon receipt | <del>Huguenel, E.D., D. Cohn, D.P. Dockum, J.M. Greve, M.A. Fournel, L. Hammond, R. Irwin, J. Mahoney, A. McClelland, E. Muchmore, A.G. Ohlin, and P. Scuderi. 1997. Prevention of rhinovirus infection in chimpanzees by soluble intercellular molecule-1. <i>A.m. J. Respir. Crit. Care Med.</i> 155:1206-1210.</del>  |
| UD                       | Huston et al. 1991 "Protein engineering of single-chain Fv analogs and fusion proteins" in <i>Methods in Enzymology</i> (JJ Langone, ed: Academic Press, New York, NY) 203:46-88.  |
| UD                       | Huxley et al., "The human HPRT gene on a yeast artificial chromosome is functional when transferred to mouse cells by cell fusion", <i>Genomics</i> , 9:742-750 (1991).  |
| UD                       | Jakobovits et al., "Germ-line transmission and expression of a human-derived yeast artificial chromosome", <i>Nature</i> , Vol. 362, pp. 255-261 (1993).   |
| Will submit upon receipt | <del>Jeng, M.J. and R.J. Lemen 1997. Respiratory syncytial virus and bronchiolitis. <i>Am. Fam. Physician</i>. 55: 1139-1146.</del>  |
| UD                       | Johnson and Bird, 1991 "Construction of single-chain Fvb derivatives of monoclonal antibodies and their production in <i>Escherichia coli</i> in <i>Methods in Enzymology</i> (JJ Langone, ed.; Academic Press, New York, NY) 203:88-99.   |
| Will submit upon receipt | <del>Kelly, K.J., W.W. Williams Jr., R.B. Colvin, S.M. Meehan, T.A. Springer, J.C. Gutierrez-Ramos, and J.V. Bohventre. 1996. Intercellular adhesion molecule-1 deficient mice are protected against ischemic renal injury. <i>J. Clin. Invest.</i> 97:1056-1063.</del>  |
| Will submit upon receipt | <del>Kumasaka, T., W.M. Quinlan, N.A. Doyle, T.P. Condon, J. Sligh, F. Take, A.L. Beaudet, C.F. Bennett, and C.M. Doerschuk. 1996. Role of the intercellular adhesion molecule-1 (ICAM-1) in endotoxin-induced pneumonia evaluated using ICAM-1 antisense oligonucleotides, anti-ICAM-1 monoclonal antibodies, and ICAM-1 mutant mice. <i>J. Clin. Invest.</i> 97:2362-2369.</del> |
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| Will submit upon receipt | <del>Li, X., S. Sambhara, C.X. Li, M. Ewasyszyn, M. Parrington, J. Caterini, O. James, G. Gates, R.P. Du, and M. Klein. 1998. <i>J. Exp. Med.</i> 188:681-688.</del>   |
| Will submit upon receipt | <del>Makgoba, M.W., M.E. Sanders, G.E. Ginther-Luce, E.A. Gugel, M.L. Dustin, T.A. Springer, and S. Shaw. 1998. Functional evidence that intercellular adhesion molecule-1 (ICAM-1) is a ligand for LFA-1 dependent adhesion in T cell-mediated cytotoxicity. <i>Eur. J. Immunol.</i> 19:637-640.</del>  |
| UD                       | Mernaugh and Mernaugh, 1995 "An overview of phage-displayed recombinant antibodies" in <i>Molecular Methods in Plant Pathology</i> (RP Singh and US Singh, eds.; CRC Press Inc., Boca Raton, FL) pp. 359-365.  |
| UD                       | Murry, A.R., and S.F. Dowell. 1997. Respiratory syncytial virus: not just for kids. <i>Hospital Practice</i> , July 15:87-104.   |
| UD                       | Noah, T.L., and S. Becker. 1993. Respiratory syncytial virus-induced cytokine production by a human bronchial epithelial cell line. <i>Am. J. Physiol.</i> L472-L478.  |
| Will submit upon receipt | <del>Olmsted, R.A., R.M. Chanock, and P.L. Collins. 1986. Expression of the F glycoprotein of respiratory syncytial virus by a recombinant vaccinia virus: comparison of the individual contributions of the F and G glycoproteins to host immunity. <i>Proc. Natl. Acad. Sci. USA</i> 83:7462-7466.</del>   |



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| UD                       | Pearson and Choi, Expression of the human b-amyloid precursor protein gene from a yeast artificial chromosome in transgenic mice. <i>Proc. Natl. Acad. Sci. USA</i> , 1993. 90:10578-82.   |
| UD                       | Persson, C.G., J.S., Erjefalt, M. Anderson, I. Erjefalt, L. Greiff, M. Korsgren, M. Linden, F. Sundler, and C. Svensson. 1997. Epithelium, microcirculation, and eosinophils-new aspects of the allergic airway <i>in vivo</i> . <i>Allergy</i> 52:241-255.                                    |
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| Will submit upon receipt | Xu, H., J.A. Gonzalo, Y. St. Pierre, I.R. Williams, T.S. Kupper, R.S. Cotran, T.A. Springer, and J.C. Gutierrez-Ramos. 1994. Leukocytosis and resistance to septic shock in intercellular adhesion molecule-1 deficient mice. <i>J. Exp. Med.</i> 180:95-109.                                  |
| EXAMINER                 | DATE CONSIDERED  |
| UD 11.11.03              | 5/15/02  |

EXAMINER: Initial if citation considered, whether or not citation is in conformance with MPEP § 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to the applicant.